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SHINING 3D DENTAL

Ceramix-Nano Capsule 3D Printer

Imagination Encapsulated



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COMPACT IN SIZE
POWERFUL IN FUNCTION



Weighing only

kg

The industry's most streamlined ultra-speed capsule 3D printer, precision-engineered to deliver immediate capsule **permanent** restorations in any clinical setting.

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Ceramix-Nano

Ultra-Fast Printing

PatentedAPSTechnology

Printapermanentceramiccrownin8-11 minutes.

2-in-1 Print & Cure

Integrated Curing Chamber

Built-in curingatupto 80°C,completed in under 3 minutes. No additional investment in post-processing devices is required.

Permanent Restorations

Over 50% Ceramic Filler Content

Designedforchairside long-termrestorations with high ceramic-content materials.

Unmatched Compactness

Portable & Space-saving

Print crowns,veneers,inlays,onlays, and bridges right away, bring the chairside production capability wherever you go.

The 2kg All-in-One Micro Lab

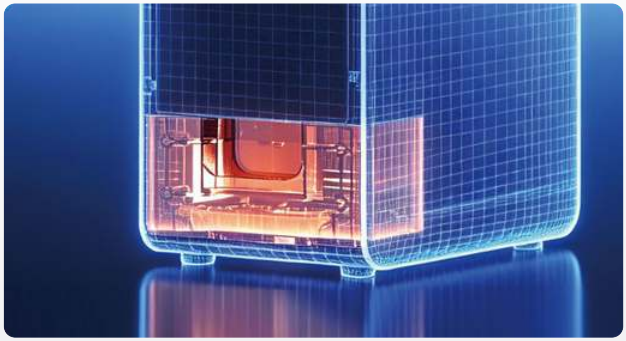
APS Proprietary APS Technology
(Adaptive Pneumatic Stereolithography)

min	min	min
Single-crownPrinting	On-machine Curing	Total Chairside Fabrication



Built-in Curing Unit

Transitioningfrom multi-device setups to a unified 2kg system, the Nano integrates high-precision printing and a 80°C professional curing module in a single device. As one of the world's most compact capsule printers, it expands what is possible with a space-efficient hardware design.





Aesthetic Curing Module (Optional)

Theoptional aestheticcuringmodule enables oxygen-free curing without the need for additional equipment, delivering a smooth, premium surface finish for highly aesthetic final restorations.

Power Bank Compatible Printing

Designedfortruemobility, Ceramix-Nano supports direct printing via portable power banks. The first ceramic printer that goes wherever you do.

Note: Requires a 10,000mAh+ power bank. A 10,000mAh unit supports approximately 5 complete print + cure cycles.



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Lumicera
High-Performance Ceramic Resins

Lumicera is the ceramic resin inside the Ceramix-Nano capsule, pre-measured and ready to print. It combines exceptional restorative properties with a minimalist chairside workflow, ensuring superior clinical results with unparalleled simplicity.

Long-Term Durability

Over **50% ceramic filler** content for lasting mechanical strength.

Biocompatibility

FDA Class II 510(k) cleared for permanent intraoral use.

Five VITA shades

Covering the most common natural shades: BL, A1, A2, B1, and C2.

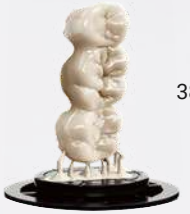




Crowns | Inlays & Onlays | Veneers | Multi-unit Bridges



One Capsule, Multiple Restorations



38mm Bridge Capability

The capsule's built-in chamber accommodates bridges up to 38mm without compromising on fit or accuracy.



Up to 3 Crowns per Capsule

Supports printing up to 3 crowns per capsule, maximizing material efficiency and clinical productivity.



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The 30-Minute Revolution
From intraoral scan to permanent crown

The Ceramix-Nano redefines chairside dentistry, printing a single crown in as little as **8 minutes**. Powered by AI design, intraoral scanning, and a cloud-driven workflow, it delivers a complete permanent restoration in under **30 minutes**—all within **a single appointment**.



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30 min

Cloud-Driven Chairside Crown & Bridge Workflow





Scan

Scanthe prepared tooth with your intraoral scanner.





AI Design

Select thescan order and generate a crown design in under 2 minutes with the AI Design tool.





Print & Cure

Loadthecapsule,press print, and slide the restoration into the curing drawer. Your high-quality restoration is complete.





Deliver

Cement the restoration and send your patient home.

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SHINING Flow

The Complete Scan-Design-Print Platform

SHINING FLOW connects your Intraoral Scanner, AI Design, and Ceramix-Nano Capsule Printer into a single uninterrupted workflow. One platform takes you from scan to cementation. Your data stays intact, and you never need to switch software.





Step 1
Scan

Step 2
AI Design

Step 3
Print & Cure

Step 4
Deliver



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SHINING 3D AI Design × Ceramix-Nano

Seamless Design for Same-Day Restorations



24/7 Self-Service Over the Cloud

AccessourAI-powereddesignserviceondemand, from anywhere.

Anatomy-Driven Tooth Design

AIgeneratesnaturaltoothanatomy-inspired crown morphology.

AI-Powered Chairside Design in 90s

No designbottlenecks.Fasterchairside delivery.

SHINING 3D Dental Cloud Platform

A Connected Digital-to-Physical Workflow,
Powered by the Cloud

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Order Management

Select patient cases directly from the cloud platform to begin AI-assisted crown design.

AI Design

Complete design and refinement through a web-based workflow. No third-party platform switching required.

Intelligent Nesting & Slicing

The cloudautomatically arranges and prepares your restorations for printing. No manual setup required.

One Click Printing

Onceyourdesign is confirmed, the Ceramix-Nano receives the print file automatically.

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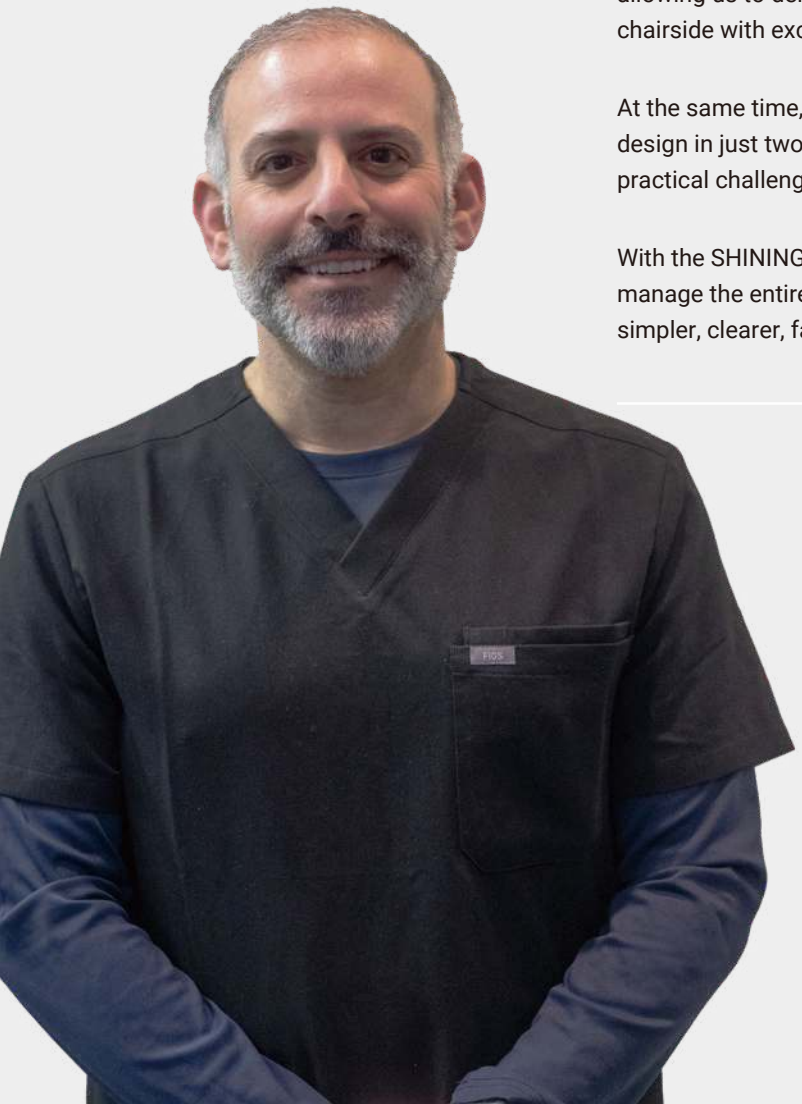

What continues to impress clinicians about SHINING 3D is their ability to deliver powerful capability in such a compact design. This new capsule printer brings powerful chairside printing for long-term restorations into an incredibly small and efficient system.

What really stands out to me is its fast chairside restoration printing speed, along with the integrated post-processing and esthetic curing capabilities, allowing us to deliver strong, highly esthetic restorations directly at the chairside with excellent final results.

At the same time, the AI crown design feature can complete a crown CAD design in just two minutes at the chairside, helping solve one of the key practical challenges in chairside restoration workflows.

With the SHINING FLOW ecosystem, we can seamlessly connect and manage the entire scan, design, and print workflow. For me, this is a simpler, clearer, faster, and higher-quality chairside restoration solution.

Dr. Isaac Tawil
DDS MS, USA

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TECHNICAL SPECIFICATIONS

Ceramix-Nano

Chairside Fabrication Unit

Core Technology	APS (Adaptive Pneumatic Stereolithography)
Optical Engine	DLP
Wavelength	400-410 nm
XY Resolution	50 μm
Cycle Time	Typical 8–11 mins (Average ~8 mins for anterior crowns)
Dimensions (W × D × H)	87 x 131 x 276 mm
Leveling	Calibration-free Auto-leveling System

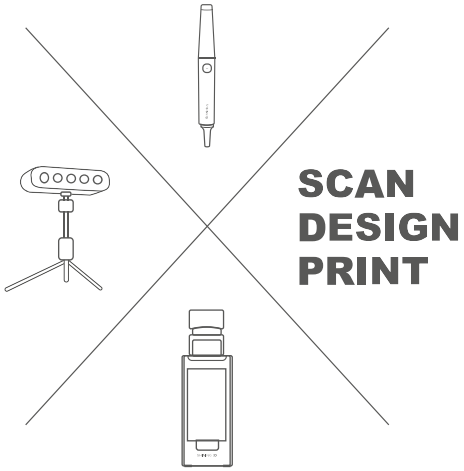
Clinical Application

Crown, Bridge (up to 3 units), Veneer, Inlay, Onlay

Post-Curing Parameters

Curing Size	50 x 40 x 20 mm
Curing Time	≤3min
Light Intensity	200 mW/cm²
Max Curing Temperature	80°C
Curing Wavelength	360-385 nm

*Notice: SHINING 3D reserves the right to introduce modifications or alterations to any of the specifications and images used in this document.



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